

Speakers' Biographies

Bruce Dean PhD – Dr. Dean is an optical physicist and the Group Leader for the Optics Branch of the Wavefront Sensing and Control Group. He has published 22 papers and spoken extensively in the field of wavefront sensing and control systems. He holds patent #7,635,832 for "Hybrid diversity method utilizing adaptive diversity function for recovering unknown aberrations in an optical system." Dr. Dean has also received numerous awards and accolades including NASA's Honorable Mention for NASA Invention of the Year (2010), Exceptional Technology Achievement Medal (2009) and the Goddard Honor Award for Engineering Achievement (2004). Dr. Dean is also a current member of the Optical Society of American (OSA).

Rick Lyon – Mr. Lyon is an Optical Scientist at Goddard, with a professional interest in research and development of complex astronomical imaging systems including: filled, segmented and sparse aperture telescopes, coronagraphs and imaging interferometers. He developed serial and parallel modeling and simulation approaches and algorithms for wavefront control, planetary detection, optimal detection, image deconvolution, and phasing of multiple aperture interferometric systems. Mr. Lyon has published 167 papers, 17 major technical reports and spoken at 26 conferences.